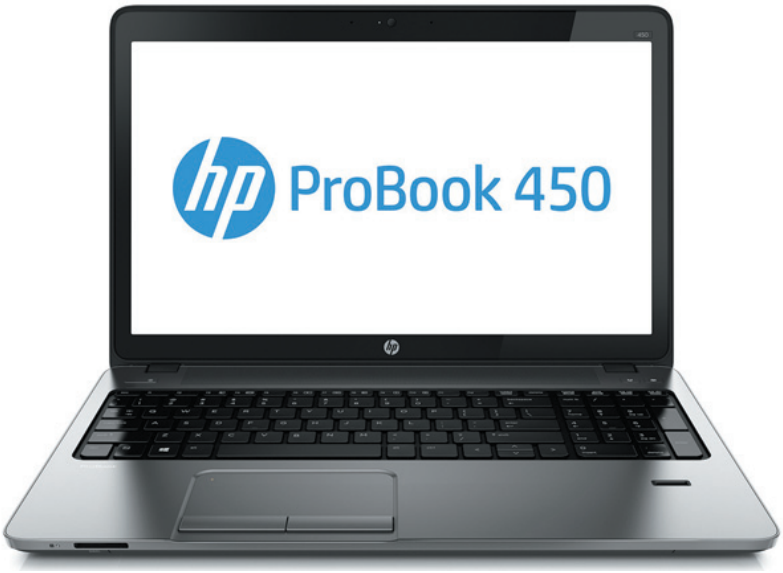
Datasheet

HP ProBook 450 G1 Notebook PC

Get in touch with your productive side. Tap and scroll your way through the workday with an optional intuitive touch screen[1] that helps you work so much smarter. Count on durability inside and out – from built-in security to the spill-resistant keyboard – and a thin, light design that's packed with style.



HP recommends Windows.

Powerful productivity.

Take charge of your workday with the latest technologies like ac band WLAN,[1 2] optional touch,[1] and 4th generation Intel® Core™ processors.[3]
Be more hands-on with an optional 10-point touch screen that's shatter, scratch, reflection and smudge resistant.[1]
It truly makes the most of Windows 8.[4] All your work should feel this easy.
An optional 500 GB[1 5] hybrid hard drive offers the storage capacity of a traditional hard drive and the responsiveness of a hybrid hard drive.
Don't let the office tie you down. Work in more places with high-speed wireless connectivity, with optional 4G LTE and HSPA ,[1,6] WWAN,[1 6] ac band WLAN[1 2] and Bluetooth® 4.0.[1]
You have to be quick. The speed of the latest 4th generation Intel® Core ™ i3/i5/i7 processors[3] help you work faster.

It's all about connections.

Easily share your internet connection with up to five devices with HP Wireless Hotspot.[7] Help colleagues get online and improve productivity. Print from your PC, smartphone, or tablet from virtually anywhere with HP ePrint.[8]
Make the most of virtual conferencing. DTS Sound and an HD webcam[9] bring work to life through rich sound and video.[10] You're ready for web chats and conferences with Skype™ pre-configured on your HP ProBook. It's almost as good as being there.[9]

Built to perform.

The power and performance of the HP ProBook is matched by the solid design and elegant finishes. Get the technology you trust from HP, with cutting-edge style that looks and feels the way you want.
Tackle your workload with technology that's built strong, from the core up. This HP ProBook is made with a tough aluminum reinforced chassis for lightness and durability.
Help protect sensitive electronics and key components from minor spills with a thin layer of Mylar film in the spill-resistant keyboard.
HP ProBooks undergo challenging tests so you don't have to. During the HP Total Test Process, PCs experience 115,000 hours of performance trials to ensure they can withstand rigorous work environments.

Protect your work.

Stay one step ahead of hacks and attacks. Built-in security safeguards your HP ProBook against viruses, detects possible corruption, and alerts you to unauthorized changes.[11]
HP Client Security software suite helps you encrypt your hard drive,[12] permanently delete unwanted or discarded data, restrict unauthorized access, and more.
Stay up and running. HP BIOS Protection offers enhanced protection against virus attacks and other security threats, and is designed to help prevent data loss and reduce downtime.[11]
No more remembering passwords. HP Password Manager[13] lets you quickly log in to various online accounts. Simply log on to Windows and web sites, via HP Password Manager, using an optional fingerprint reader.[1 14]
Bumps happen. HP 3D DriveGuard helps protect your data when you're on the go by sensing sudden movement and protecting the hard drive.[15]

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Operating System	Windows 8 Pro 64 Windows 8 64 Windows 7 Professional (available through downgrade rights from Windows 8 Pro) FreeDOS
Processor Family	Intel® Core™ i7 processor; Intel® Core™ i5 processor; Intel® Core™ i3 processor; Intel® Celeron® processor; Intel Pentium® Dual-Core processor
Processor	Intel® Celeron® 2950M with Intel HD Graphics (2 GHz, 2 MB cache, 2 cores); Intel® Core™ i3-4000M with Intel HD Graphics 4600 (2.4 GHz, 3 MB cache, 2 cores); Intel® Core™ i5-4200M with Intel HD Graphics 4600 (2.5 GHz, 3 MB cache, 2 cores); Intel® Core™ i7-4702MQ with Intel HD Graphics 4600 (2.2 GHz, 6 MB cache, 4 cores); Intel® Pentium® 3550M with Intel HD Graphics (2.3 GHz, 2 MB cache, 2 cores)
Chipset	Mobile Intel® HM87
Memory	Up to 16 GB 1600 MHz DDR3L SDRAM Memory slots: 2 SODIMM
Internal Storage	up to 500 GB SATA (7200 rpm) 320 GB up to 1 TB SATA (5400 rpm) up to 500 GB SATA SSHD (5400 rpm) up to 128 GB SATA SSD
Upgrade Bay	Blu-ray ROM DVD+/-RW SuperMulti DL; DVD+/-RW SuperMulti DL
Display	39,6 cm (15.6") diagonal LED-backlit HD anti-glare touch (1366 x 768); 39,6 cm (15.6") diagonal LED-backlit HD anti-glare (1366 x 768)
Graphics	Integrated: Intel® HD Graphics 4600; Intel® HD Graphics; Switchable Discrete: AMD Radeon HD 8750M (with 1 or 2 GB dedicated DDR3 video memory)
Audio/Visual	DTS Sound+; Integrated stereo speakers; Integrated digital microphone (dual-microphone array when equipped with optional webcam)
Wireless Support	HP hs3110 HSPA+ Mobile Broadband; HP lt4112 LTE/HSPA+ Mobile Broadband; Realtek 802.11b/g/n (1x1); Mediatek 802.11b/g/n (1x1) and Bluetooth 4.0 Combo; Intel Dual Band Wireless-AC 3160 802.11a/b/g/n/ac (1x1) WiFi and Bluetooth 4.0 Combo; Intel Dual Band Wireless-AC 7260 802.11ac (2x2) WiFi and Bluetooth 4.0 Combo
Communications	Realtek Ethernet (10/100/1000)
Expansion Slots	1 Media Card Reader
Ports and Connectors	2 USB 3.0; 2 USB 2.0; 1 HDMI; 1 stereo microphone in; 1 AC power; 1 RJ-45; 1 headphone/line-out; 1 VGA
Input Device	Full-sized, spill-resistant keyboard with numeric keypad Touchpad with gestures support, on/off button with LED indicator, two-way scroll, two pick buttons 720p HD Webcam (select models)
Software	HP Wireless Hotspot; HP Mobile Connect; HP ePrint, SMS Roaming Alert; HP Hotkey support; HP Recovery Manager; Buy Office
Security	Standard: HP Client Security; Security lock slot; Optional: Intel® Anti-Theft (requires a Computrace subscription); Intel® Indentity Protection; HP Fingerprint reader
Dimensions	37.5 x 25.6 x 2.28 cm (at front); 37.5 x 25.6 x 2.42 (Touch Screen)
Weight	Starting at 2.26 kg
Energy Efficiency Compliance	ENERGY STAR® qualified configurations available
Environmental Specifications	Low halogen
Power	Integrated: 65W Smart AC adapter; 65W EM Smart AC adapter; Discrete: 90W Smart AC adapter; 90W EM Smart AC adapter; HP Fast Charge (6-cell only)
Battery Type	9-cell (93 WHr) Li-Ion; 6-cell (47 WHr) Li-Ion
Battery Life	9-cell (93 WHr): Up to 17 hours 30 min; 6-cell (47 WHr): Up to 9 hours 15 min
Warranty	1-year limited warranty (upgrades available, sold separately), 1-year warranty on primary battery

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Accessories and services (not included)

HP 65W Smart Travel AC Adapter

AC power adapters from HP power your notebook and charge the internal battery simultaneously. These adapters provide you with the ability to power your notebook when away from the office or on the road. The HP 65W Slim Travel Adapter is perfect for international travelers or "road warriors" who are always on the go. The adapter is 40% thinner than the standard 65W adapter and includes a convenient USB port for charging other accessories while you work. Four international adapter plugs help make sure your Slim Travel Adapter works wherever you do. A stylish protective carrying case keeps everything together.
Product number: AU155AA

HP 3005pr USB 3.0 Port Replicator

Everything you need every day, ready with one simple connection. The HP 3005pr USB 3.0 Port Replicator is our ultimate platform-independent hot desking solution. Get online, make up to six of your everyday USB devices immediately available, and expand your productivity with connection to two external displays—all through one USB 3.0 cable.
Product number: H1L08AA

HP Comfort Grip Wireless Mouse

The HP Comfort Grip Wireless Mouse features a 30-month battery life and a bold, modern design that integrates seamlessly with HP Business Notebooks.
Product number: H2L63AA

HP Business Backpack

Keep your notebook and everyday essentials comfortably close at hand with the stylish and durable HP Business Backpack.
Product number: H5M90AA

HP FP09 Notebook Battery

The HP FP09 Notebook Battery is a 9 cell battery that is a replacement or additional battery for the 2013 HP 400 Series Notebook PCs (sold separately).
Product number: H6L27AA

3-year Next Business Day Onsite

Care Pack

Receive 3 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely
Product number: UK703E

Learn more at
www.hp.eu/hpoptions

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Footnotes

[1] Sold separately or as an optional feature.; [2] Wireless access point and internet access required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.; [3] Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel® 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.; [4] Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See http://www.microsoft.com.; [5] For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 36 GB of system disk is reserved for system recovery software.; [6] 4G LTE not available on all products, in all regions and only available on products featuring Intel processors. WWAN use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors.; [7] The wireless hotspot application requires an active internet connection and separately purchased data plan. While HP wireless hotspot is active, on-device applications will continue to work and will use the same data plan as the wireless hotspot. Wireless hotspot data usage may incur additional charges. Check with your service provider for plan details. Requires Windows.; [8] Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see hpconnected.com). Mobile devices require Internet connection and email capability. May require wireless access point. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary. Some HP LaserJet printers may require firmware upgrades.; [9] Optional webcam required.; [10] Internet access required.; [11] HP Tools partition with an HP BIOS required for automatic recovery.; [12] Requires Windows. Data is protected prior to Drive Encryption login. Turning the PC off or into hibernate logs out of Drive Encryption and prevents data access.; [13] Requires Internet Explorer IE8 or IE9. Not all websites and applications may be supported.; [14] Optional Fingerprint sensor supported in Windows and Linux.; [15] HP 3D Drive Guard requires Windows.

Learn more at
www.hp.eu/notebooks

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